USER MANUAL

High Resolution IR Camera Series

The product image may differ from the actual product.

Please read the instructions thoroughly before using the product.

	CAUTION	
	RISK OF ELECTRIC SHOCK	

CAUTION:

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture.

Only operate this apparatus from the type of power source indicated on the label.

The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

ROHS Announcement

All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.

The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.

CE Mark

This apparatus is manufactured to comply with the radio interference.

The company does not warrant that this manual will be uninterrupted or error-free. We reserve the right to revise or remove any content in this manual at any time.

OVERVIEW

This high resolution camera contains day and night feature, built-in 56 IR LEDs and IP67 standard approved waterproof outdoor housing. Besides, with the "Smart Light Control" feature, this camera can effectively avoid over-exposure and extend the lifetime of IR LEDs.

FEATURES

1. High resolution of 520 TV Lines
2. High sensitivity in the dark environment, 0.1 Lux / F1.4, 0 Lux (IR ON)
3. Smart Light Control to avoid over-exposure and extend the lifetime of IR LEDs
4. Day and night features for 24-hour surveillance
5. IR distance: up to 40 meters with 56 IR LEDs
6. IP67, suitable for outdoor use

PACKAGE CONTENT

➢ IR camera * 1
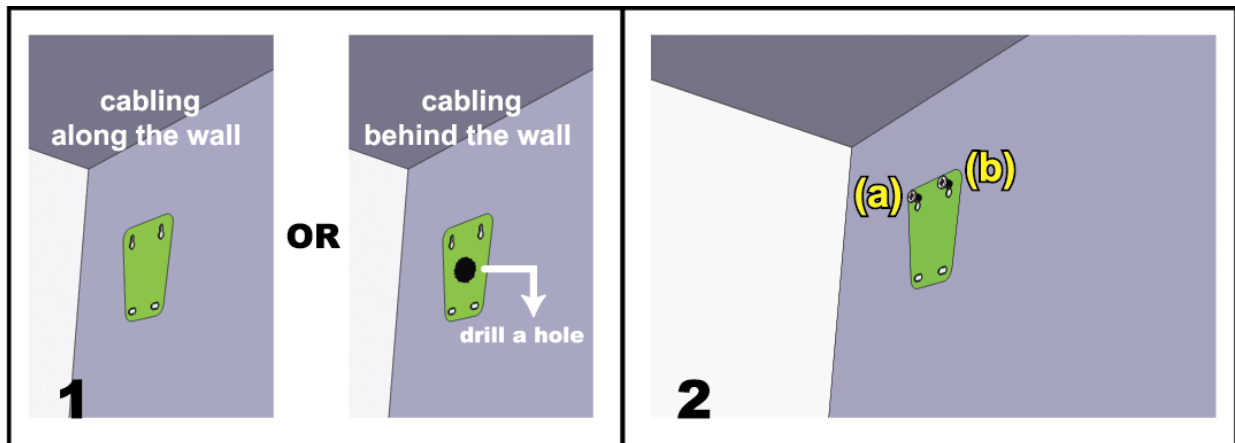➢ Bracket x 1
➢ User Manual * 1

SPECIFICATIONS*

MODEL	High Resolution Model
Pick-up Element	1/3" H.R. Color CCD image sensor
Number of Pixels	768(H) x 494(V) <NTSC> / 752(H) x 582(V)) <PAL>
Resolution	520TVL
Min. Illumination	0.1 Lux / F1.4, 0 Lux (IR ON)
IR LED	56 units
IR Effective Range	Up to 40 meters
Smart Light Control	YES
S/N Ratio	More than 48dB (AGC OFF)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.
Lens	f6.0mm / F1.4
Lens Angle	62°
White Balance	ATW
AGC	Auto
IRIS Mode	AES
IP Rating	IP67
Video Output	1.0 Vp-p composite, 75Ω
Operating Temperature	-20℃~40℃
Power Source (±10%)	DC12V / 1A
Current Consumption (±10%)	70mA (IR OFF), 590mA (IR ON)

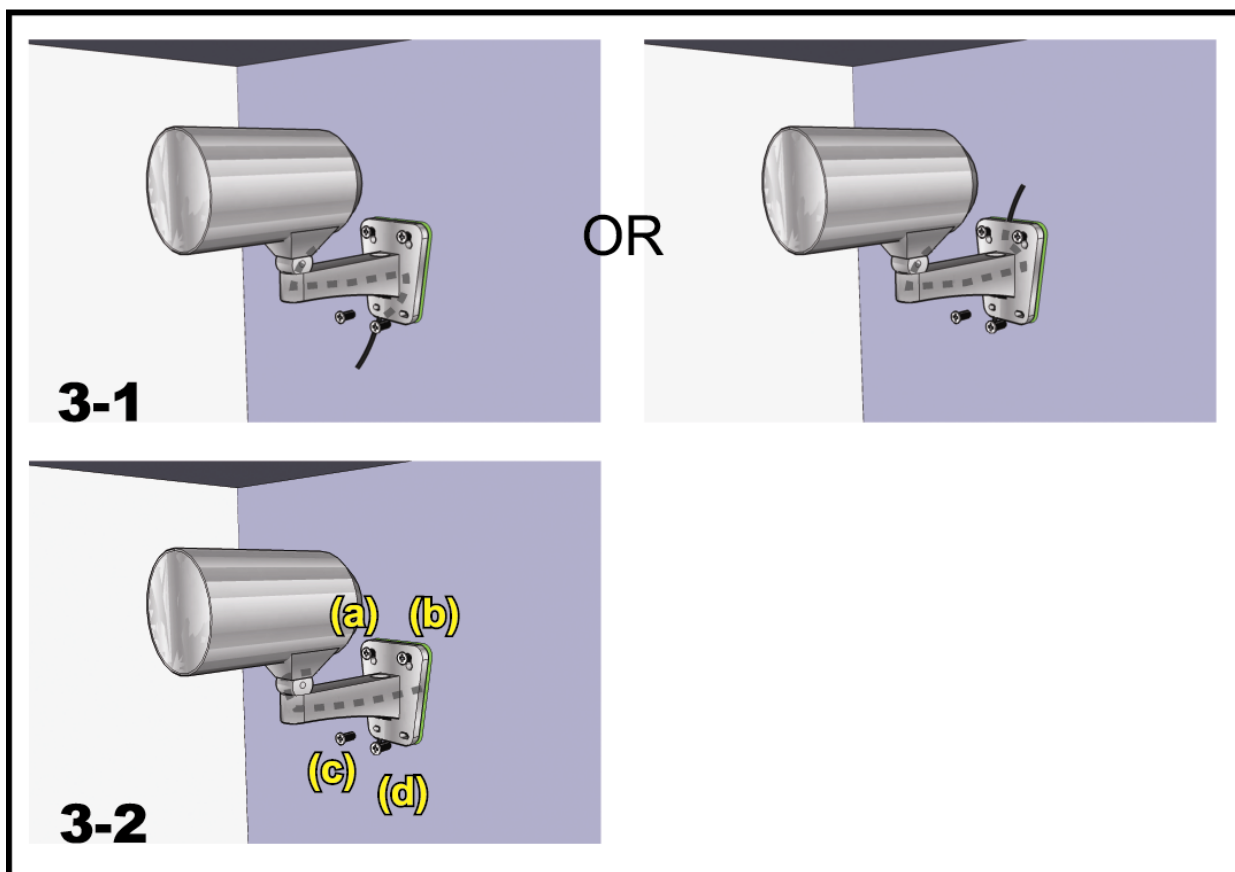* The specifications are subject to change without notice.
** Dimensional Tolerance: ± 5mm

1 — cabling along the wall OR cabling behind the wall (drill a hole)

Paste the supplied installation sticker to the location where your camera will be installed. Based on your installation environment, drill a hole in the middle of the sticker for the power & video cable to put through later if necessary.
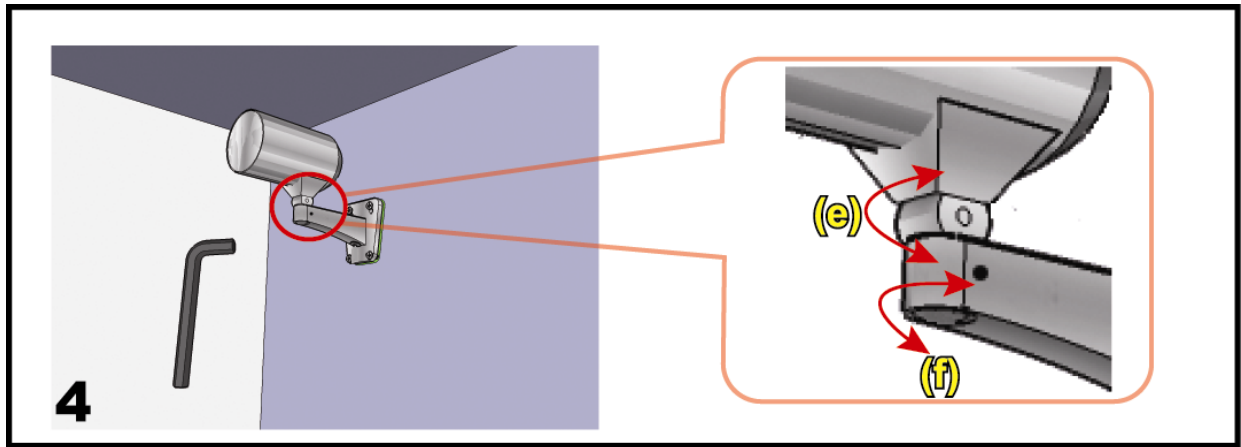
2 — (a) (b)

Slightly fasten the screws to (a) & (b) as indicated, and make sure the screws are not fastened to the end.

3-1   OR

3-2 — (a) (b) (c) (d)

1) Based on your installation environment, put the power & video cable through the bracket, and determine the cabling of your camera:

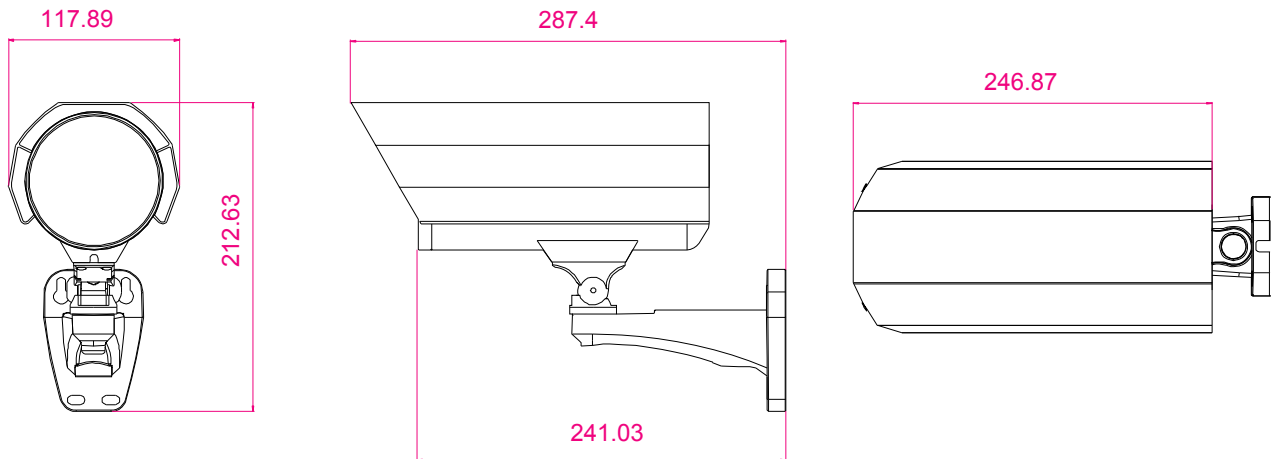   3-1 -- The cable walks along the wall.

    3-2 -- The cable is hidden on the other side of the wall.

Adjust the angles of the camera:

(e) -- Adjust the vertical angle of the camera, and fix it with the screw & wrench supplied with the bracket.

(f) -- Loosen the screw a little bit on the camera joint with the supplied wrench to adjust the horizontal angle of the camera, and fix it.

DIMENSIONS

117.89

212.63

287.4

241.03

246.87

CONNECTION

1. DC12V Input Terminal
   Connect the power terminal of the camera to a DC 12V regulated power supply.

NOTE: Please use the correct power adaptor, DC12V (regulated), to operate this unit. The power tolerance of this unit is DC12V ± 10%. Over maximum DC 12V power input will damage this unit.

2. Video Output Connector (VIDEO OUT)
   Connect the camera video output and the monitor video input with 75Ω coaxial cable.

NOTE: To ensure the camera has sufficient protection against moisture, an extra waterproof measure, such as by using an insulating tape, must be used to cover the power and video connectors after connection.